

Hercules Series

High Power Density

True Online Double Conversion UPS 1KVA - 3KVA



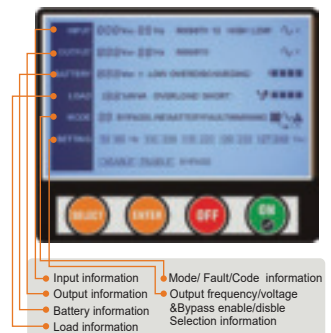
Features

- DSP Control
- 0.8 Output Power Factor
- Wide Input Range
- High Efficiency Mode (ECO)
- Frequency Converter Mode
- Input THDI < 5%
- Output THDv < 2%
- Output Voltage Regulation <1%
- Compact Design
- Extendable Run Time
- Fan Speed Control
- Wide operating environment 0-45°
- Optional Over Voltage Cut-Off device (OVCD) for Tough environment
- Optional SNMP

Hercules series, built for the most reliability, purity and power

Hercules Series UPS make use of the unique True Online Double Conversion circuitry to detect the electricity current and voltage output of utility power supply. The current is input via high frequency PWM to maintain uniform wave form and phase in line with the voltage, so as to attain high input power factor over to 0.99 and comparatively significant harmonic interference on the power network.

With the use of the outstanding IGBT as the power conversion component, the operating frequency of the Inverter of UPS is capable for reaching up to 20 KHz, due to the high frequency operating characteristics of IGBT. Higher working efficiency of the inverter also improves the overall efficiency of UPS and higher inversion frequency reduces the noise of the inverter as well. Due to its components margins are increased, Hercules is suitable for higher temperature environment up to 45 celsius.



- Input information
- Output information
- Battery information
- Load information
- Mode/ Fault/Code information
- Output frequency/voltage & Bypass enable/disable Selection information

SPECIFICATION

MODEL		HE-1K	HE-1KS	HE-2K	HE-2KS	HE-3K	HE-3KS			
CAPACITY	VA/WATT	1KVA / 800W(PF.8)		2KVA / 1.6kW(PF.8)		3KVA / 2.4kW(PF.8)				
INPUT	Voltage Range	220 V ac \pm 25%								
	Frequency Range	50/60 Hz \pm 10%(selectable)								
	Phase	Single phase with ground								
	Current THDI	<5%								
	Power Factor	0.99								
	Generator Input	1.5 x UPS Rating Power								
OUTPUT	Voltage Range	208/220/230/240 V ac \pm 1% (selectable)								
	Phase	Single phase with ground								
	Frequency(Synchronized Range)	50/60 Hz \pm 10%								
	Frequency (Battery Mode)	50/60 Hz \pm 0.1%								
	Current Crest Ratio	3:1								
	Harmonic Distortion	< 3% THD (Linear Load)								
	Protection	Short Circuit Protection								
	Output Waveform	Pure Sinewave								
	Outlet	NEMA								
	Overload Capacity	Line Mode	1 min @ 105%~110% ; 20 sec @ 110% ~ 125% ; 8 sec @ 125%~ 150% ; 1 sec @ > 150%V							
	BAT Mode									
EFFICIENCY	AC-AC mode at full load	> 87%/>84%			> 88%/85%					
	Eco mode	95%								
BATTERY	Number of Batteries	3	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries	8	Depending on the capacity of external batteries			
	Battery Capacity (Ahr)	12V(7/9)Ahr		12V(7/9)Ahr		12V(7/9)Ahr				
	Backup time (depend on load)	>15 min		>15 min		>15 min				
	Recharge Time (to 90%)	5 Hours		5 Hours		5 Hours				
	Charging Current (Max.)	1.0A		4.0/8.0A		1.0A		4.0/8.0A	1.0A	4.0/8.0A
	Battery Type	Sealed Leas Acid Maintenance Free								
TRANSFER TIME	AC to DC	Zero								
INDICATOR	LCD	Input information: Voltage / Frequency / High Voltage / Low Voltage / Utility Present / Utility Lost, Output information: Voltage / Frequency / Utility Present / UtilityLost, Load information: %Watt / % VA / Overload / Short circuit / Load level, Battery information: Voltage / Battery Level / Low / Over charging / Discharging, Mode information: Bypass / Line / Battery /Fault / Warning / Operating-Fault-Warning Code / Operating Mode Icon / Bypass configure: enable-disable								
AUDIBLE ALARM	Battery Mode	Sounding every 4 seconds								
	Low Battery	Sounding every second								
	Overload	Sounding twice every second								
	Fault	Continuously Sounding								
DIMENSION	W x H x D mm	145 x 220 x 400				192 x 347 x 460				
WEIGHT	kg	14	7 ex.bat	34.5	15 ex.bat	35.5 ex.bat	16 ex.bat			
ENVIRONMENT	Operating Environment	0.40° C								
	Relative Humidity	0-95% (NON-CONDENSING)								
	Noise Level	<45dB @ 1 Meter				<50dB @ 1 Meter				
INTERFACE	USB(built-in) / RS-232	Software supports Windows Family, Linux, Sun Solaris, IBM AIX, Compaq True64, SGI IRIX, FressBSD, HP-UJX and MAC								
	Smart Slot (Option)	SNMP Adapter/ AS400 Relay Card / RS485 / USB								
STANDARDS	Product standard	TIS 1291 Part 1-2553 , TIS 1291 Part 2-2553 , TIS 1291 Part 3-2555 Class C1								
	QMS	Certified Quality Management System ISO9001								
	EMS	Certified Environmental Management System ISO14001								